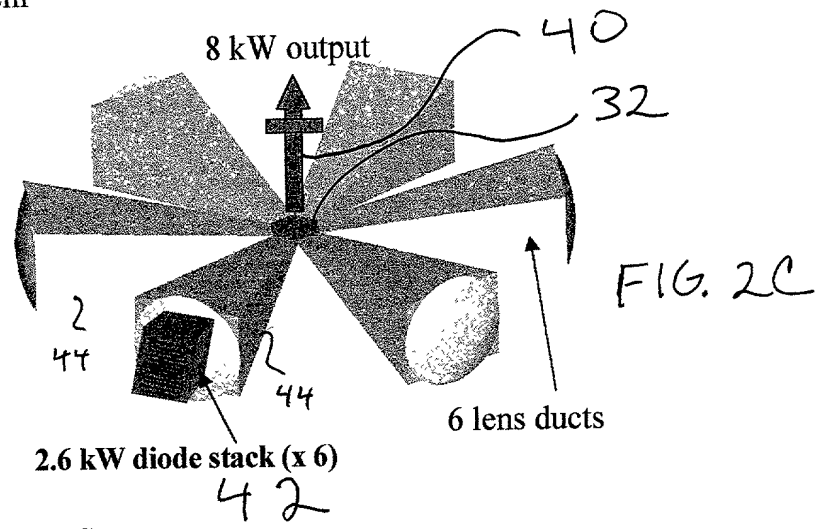
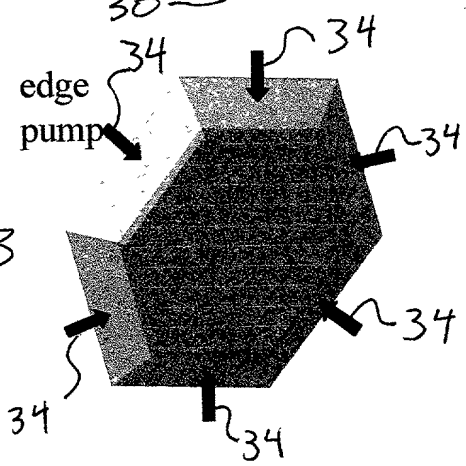
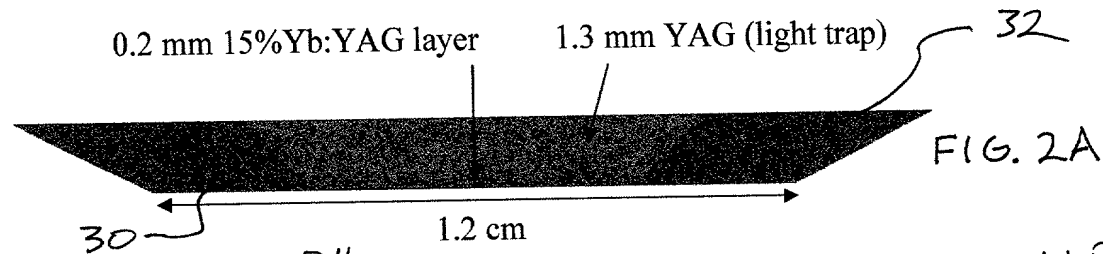
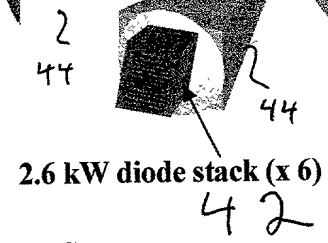


Figure 1

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Figures 2A-C



6 lens ducts

# Contours of constant power output vs aperture size and overall thickness

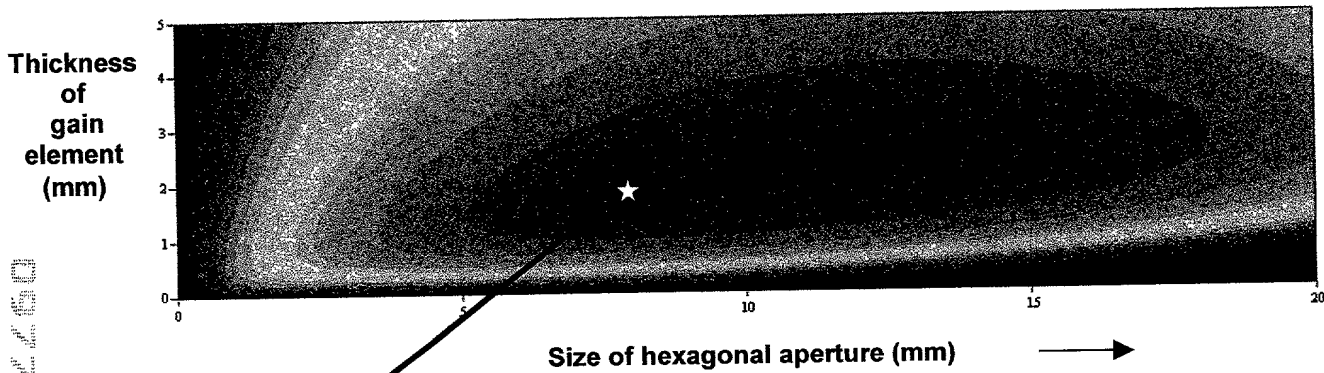
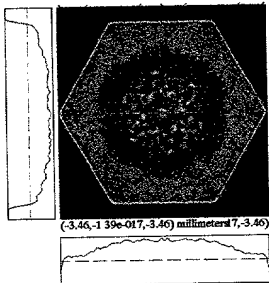


FIG.3A

Design point :



Gain distribution  
(ray trace)

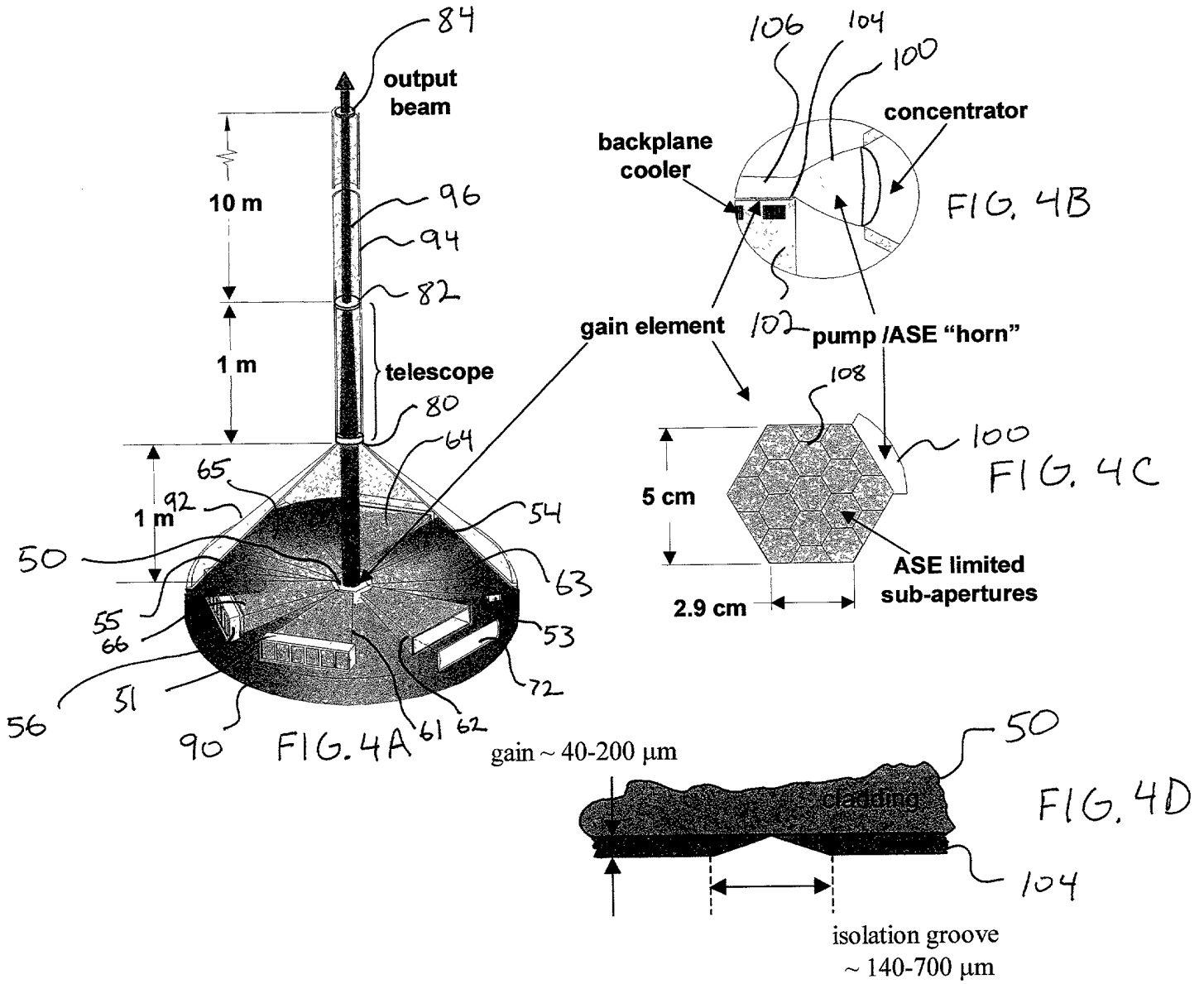
FIG.3B

Dimensions  
Yb<sup>3+</sup> gain medium  
Cavity loss  
Input power  
Fracture  
Output power  
Unsaturated gain  
Saturated gain

1.5 mm thick X 7 mm across  
15% doping, 200 μm thick  
1% / pass  
3000 watts (60 diode bars)  
26% of fracture limit  
1000 watts  
1.15 double pass  
1.09 double pass

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FIG. 4A



Figures 4A-D